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FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 7

Complete if Known	
Application Number	10/644,084
Filing Date	August 20, 2003
First Named Inventor	Yoshimi Takai
Art Unit	1646
Examiner Name	*To Be Assigned*
Attorney Docket Number	2144.0100000/RWE/ALS

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published	T[2]
	AR2	Aoki, J., *et al.*, "Mouse Homolog of Poliovirus Receptor-Related Gene 2 Product, mPRR2, Mediates Homophilic Cell Aggregation," *Exp. Cell. Res. 235*:374-384, Academic Press (1997)	
	AS2	Aoki, J., *et al.*, "Amino Acid Residues on Human Poliovirus Receptor Involved in Interaction with Poliovirus," *J. Biol. Chem. 269*:8431-8438, The American Society for Biochemistry and Molecular Biology, Inc. (1994)	
	AT2	Bazzoni, G., *et al.*, "Interaction of Junctional Adhesion Molecule with the Tight Junction Components ZO-1, Cingulin, and Occludin," *J. Biol. Chem. 275*:20520-20526, The American Society for Biochemistry and Molecular Biology, Inc. (2000)	
	AR3	Böhl, F., *et al.*, "She2p, a novel RNA-binding protein tethers *ASH1* mRNA to the Myo4p myosin via She3p," *EMBO J. 19*:5514-5524, European Molecular Biology Organization (2000)	
	AS3	Cocchi, F., *et al.*, "The V domain of herpesvirus Ig-like receptor (HIgR) conatins a major functional region in herpes simplex virus-1 entry into cells and interacts physically with the viral glycoprotein D," *Proc. Natl. Acad. Sci. USA 95*:15700-15705, The National Academy of Sciences (1998)	
	AT3	Cocchi, F., *et al.*, "Cell-to-Cell Spread of Wild-Type Herpes Simplex Virus Type 1, but Not of Syncytial Strains, Is Mediated by the Immunoglobulin-Like Receptors That Mediate Virion entry, Nectin1 (PRR1/HveC/HIgR) and Nectin2 (PRR2/HveB)," *J. Virol. 74*:3909-3917, American Society for Microbiology (2000)	
	AR4	Eberlé, F., *et al.*, "The human *PRR2* gene, related to the human poliovirus receptor gene (*PVR*), is the true homolog of the murine *MPH* gene," Gene 159:267-272, Elsevier Science B.V. (1995)	
	AS4	Ebnet, K., *et al.*, "Junctional Adhesion Molecule Interacts with the PDZ Domain-containing Proteins AF-6 and ZO-1," *J. Biol. Chem. 275*:27979-27988, The American Society for Biochemistry and Molecular Biology, Inc. (2000)	
	AT4	Farquhar, M.G. and Palade, G.E., "Junctional Complexes in Various Epithelia," *J. Cell. Biol. 17*:375-412, The Rockefeller University Press (1963)	
	AR5	Fukuhara, A., *et al.*, "Involvement of nectin in the localization of junctional adhesion molecule at tight junctions," *Oncogene 21*:7642-7655, Nature Publishing Group (October 2002)	

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NW	AS5	Fukuhara, A., *et al.*, "Role of nectin in organization of tight junctions in epithelial cells," *Genes Cells 7*:1059-1072, Blackwell Science Limited (October 2002)	
	AT5	Furuse, M., *et al.*, "A Single Gene Product, Claudin-1 or -2, Reconstitutes Tight Junction Strands and Recruits Occludin in Fibroblasts," *J. Cell. Biol. 143*:391-401, The Rockefeller University Press (1998)	
	AR6	Furuse, M., *et al.*, "Claudin-1 and -2: Novel Integral Membrane Proteins Localizing at Tight Junctions with No Sequence Similarity to Occludin," *J. Cell Biol. 141*:1539-1550, The Rockefeller University Press (1998)	
	AS6	Furuse, M., *et al.*, "Direct Association of Occludin with ZO-1 and Its Possible Involvement in the Localization of Occludin at Tight Junctions," *J. Cell. Biol. 127*:1617-1626, The Rockefeller University Press (1994)	
	AT6	Geraghty, R.J., *et al.*, "Entry of Alphaherpesviruses Mediated by Poliovirus Receptor-Related Protein 1 and Poliovirus Receptor," *Science 280*:1618-1620, American Association for the Advancement of Science (1998)	
	AR7	Gumbiner, B.M., "Cell Adhesion: The Molecular Basis of Tissue Architecture and Morphogenesis," *Cell 84*:345-357, Cell Press (1996)	
	AS7	Haskins, J., *et al.*, "ZO-3, a Novel Member of the MAGUK Protein Family Found at the Tight Junction, Interacts with ZO-1 and Occludin," *J. Cell Biol. 141*:199-208, The Rockefeller University Press (1998)	
	AT7	Ikeda, W., *et al.*, "Afadin: A Key Molecule Essential for Structural Organization of Cell-Cell Junctions of Polarized Epithelia during Embryogenesis," *J. Cell. Biol. 146*:1117-1131, The Rockefeller University Press (1999)	
	AR8	Imamura, Y., *et al.*, "Functional Domains of α-Catenin Required for the Strong State of Cadherin-based Cell Adhesion," *J. Cell Biol. 144*:1311-1322, The Rockefeller University Press (1999)	
	AS8	Itoh, M., *et al.*, "The 220-kD Protein Colocalizing with Cadherins in Non-Epthelial Cells Is Identical to ZO-1, a Tight Junction-associated Protein in epithelial Cells: cDNA Cloning and Immunoelectron Microscopy," *J. Cell. Biol..121*:491-502, The Rockefeller University Press (1993)	

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N for	AT8	Itoh, M., *et al.*, "Involvement of ZO-1 in Cadherin-based Cell Adhesion through Its Direct Binding to α Catenin and Actin Filaments," *J. Cell Biol. 138*:181-192, The Rockefeller University Press (1997)	
N/B	AR9	Itoh, M., *et al.*, "Characterization of ZO-2 as a MAGUK Family Member Associated with Tight as well as Adherens Junctions with a Binding Affinity to Occludin and α Catenin," *J. Biol. Chem. 274*:5981-5986, The American Society for Biochemistry and Molecular Biology, Inc. (1999)	
	AS9	Itoh, M., *et al.*, "Direct Binding of Three Tight Junction-associated MAGUKs, ZO-1, ZO-2, and ZO-3, with the COOH Termini of Claudins," *J. Cell. Biol. 147*:1351-1363, The Rockefeller University Press (1999)	
	AT9	Itoh, M., *et al.*, "Junctional adhesion molecule (JAM) binds to PAR-3: a possible mechanism for the recruitment of PAR-3 tight junctions," *J. Cell Biol. 154*:491-497, The Rockefeller University Press (August 2001)	
	AR10	Knudsen, K.A., *et al.*, "Interaction of α-Actinin with the Cadherin/Catenin Cell-Cell Adhesion Complex via α-Catenin," *J. Cell Biol. 130*:67-77, The Rockefeller University Press (1995)	
	AS10	Long, R.M., *et al.*, "She2p is a novel RNA-binding protein that recruits the Myo4p-She3p complex to *ASH1* mRNA," *EMBO J. 19*:6592-6601, European Molecular Biology Organization (2000)	
	AT10	Lopez, M., *et al.*, "The Human Poliovirus Receptor Related 2 Protein Is a New Hematopoietic/Endothelial Homophilic Adhesion Molecule," *Blood 92*:4602-4611, American Society of Hematology (1998)	
	AR11	Lopez, M., *et al.*, "Complementary DNA characterization and chromosomal localization of a human gene related to the poliovirus receptor-encoding gene," *Gene 155*:261-265, Elsevier Science B.V. (1995)	
	AS11	Lopez, M., *et al.*, "Nectin2α (PRR2α or HveB) and Nectin2δ Are Low-Efficiency Mediators for Entry of Herpes Simplex Virus Mutants Carrying the Leu25Pro Substitution in Glycoprotein D," *J. Virol. 74*:1267-1274, American Society for Microbiology (2000)	
↓	AT11	Mandai, K., *et al.*, "Afadin: A Novel Actin Filament-binding Protein with one PDZ Domain Localized at Cadherin-based Cell-to-Cell Adherins Junction," *J. Cell Biol. 139*:517-528, The Rockefeller University Press (1997)	

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	AR12	Martin-Padura, I., *et al.*, "Junctional Adhesion Molecule, a Novel Member of the Immunoglobulin Superfamily That Distributes at Intercellular Junctions and Modulates Monocyte Transmigration," *J. Cell Biol. 142*:117-127, The Rockefeller University Press (1998)	
	AS12	Miyahara, M., *et al.*, "Interaction of Nectin with Afadin Is Necessary for Its Clustering at Cell-Cell Contact Sites but Not for Its *cis* Dimerization or *trans* Interaction," *J. Biol. Chem. 275*:613-618, The American Society for Biochemistry and Molecular Biology, Inc. (2000)	
	AT12	Mizoguchi, A., *et al.*, "Nectin: an adhesion molecule involved in formation of synapses," *J. Cell. Biol. 156*:555-565, The Rockefeller University Press (February 2002)	
	AR13	Morrison, M.E. and Racaniello, V.R., "Molecular Cloning and Expression of a Murine Homolog of the Human Poliovirus Receptor Gene," *J. Virol. 66*:2807-2813, American Society for Microbiology (1992)	
	AS13	Nagafuchi, A., "Molecular architecture of adherens junctions," *Curr. Opin. Cell - Biol. 13*:600-603, Elsevier Science Ltd. (December 2001)	
	AT13	Nagafuchi, A., *et al.*, "The 102 kd Cadherin-Associated Protein: Similarity to Vinculin and Posttranscriptional Regulation of Expression," *Cell 65*:849-857, Cell Press (1991)	
	AR14	Ozaki-Kuroda, K., *et al.*, "Nectin Couples Cell-Cell Adhesion and the Actin Scaffold at Heterotypic Testicular Junctions," *Curr. Biol. 12*:1145-1150, Elsevier Science Ltd. (July 2002)	
	AS14	Ozawa, M., *et al.*, "The cytoplasmic domain of the cell adhesion molecule uvomorulin associates with three independent proteins structurally related in different species," *EMBO J. 8*:1711-1717, IRL Press (1989)	
	AT14	Ponting, C.P., "AF-6/cno: neither a kinesin nor a myosin, but a bit of both," *Trends Biochem. Sci. 20*:265-266, Elsevier Science Ltd. (1995)	
	AR15	Prasad, R., *et al.*, "Cloning of the ALL-1 Fusion Partner, the AF-6 Gene, Involved in Acute Myeloid Leukemias with the t(6;11) Chromosome Translocation," *Cancer Res. 53*:5624-5628, The American Association for Cancer Research (1993)	

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	AS15	Provost, E. and Rimm, D.L., "Controversies at the cytoplasmic face of the cadherin-based adhesion complex," *Curr. Opin. Cell Biol. 11*:567-572, Elsevier Science Ltd. (1999)	
	AT15	Reymond, N., *et al.*, "Nectin4/PRR4, a New Afadin-associated Member of the Nectin Family That Trans-interacts with Nectin1/PRR1 through V Domain Interaction," *J. Biol. Chem. 276*:43205-43215, The American Society for Biochemistry and Molecular Biology, Inc. (November 2001)	
	AR16	Rimm, D.L., *et al.*, "α_1(E)-Catenin is an actin-binding and -bundling protein mediating the attachment of F-actin to the membrane adhesion complex," *Proc. Natl. Acad. Sci. USA 92*:8813-8817, The National Academy of Sciences (1995)	
	AS16	Sakisaka, T., *et al.*, "Requirement of Interaction of Nectin-1α/HveC with Afadin for Efficient Cell-Cell Spread of Herpes Simplex Virus Type 1," *J. Virol. 75*:4734-4743, American Society for Microbiology (May 2001)	
	AT16	Satoh-Horikawa, K., *et al.*, "Nectin-3, a New Member of Immunoglobulin-like Cell Adhesion Molecules That Shows Homophilic and Heterophilic Cell-Cell Adhesion Activities," *J. Biol. Chem. 275*:10291-10299, The American Society for Biochemistry and Molecular Biology, Inc. (2000)	
	AR17	Stevenson, B.R., *et al.*, 'Identification of ZO-1: A High Molecular Weight Polypeptide Associated with the Tight Junction (Zonula Occludens) in a Variety of Epithelia," *J. Cell Biol. 103*:755-766, The Rockefeller University Press (1986)	
	AS17	Suzuki, K., *et al.*, "Mutations of *PVRL1*, encoding a cell-cell adhesion molecule/herpesvirus receptor, in cleft lip/palate-ectodermal dysplasia," *Nature Genet. 25*:427-430, Nature America, Inc. (2000)	
	AT17	Tachibana, K., *et al.*, "Two Cell Adhesion Molecules, Nectin and Cadherin, Interact through Their Cytoplasmic Domain-associated Proteins," *J. Cell. Biol. 150*:1161-1175, The Rockefeller University Press (2000)	
	AR18	Takahashi, K., *et al.*, "Nectin/PRR: An Immunoglobulin-like Cell Adhesion Molecule Recruited to Cadherin-based Adherens Junctions through Interaction with Afadin, a PDZ Domain-containing Protein," *J. Cell Biol. 145*:539-549, The Rockefeller University Press (1999)	
	AS18	Takeichi, M., "Cadherin Cell Adhesion Receptors as a Morphogenetic Regulator," *Science 251*:1451-1455, American Association for the Advancement of Science (1991)	

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	AR19	Takeichi, M., *et al.*, "Patterning of cell assemblies regulated by adhesion receptors of the cadherin superfamily," *Phil. Trans. R. Soc. Lond. B.* 355:885-890, The Royal Society (2000)	
	AS19	Tepass, U., *et al.*, "Cadherins in Embryonic and Neural Morphogenesis," *Nat. Rev. Mol. Cell. Biol.* 1:91-100, Nature Publishing Group (2000)	
	AT19	Tsukita, S., *et al.*, "Molecular linkage between cadherins and actin filaments in cell-cell adherens junctions, " *Curr. Opin. Cell Biol.* 4:834-839, Current Biology Ltd. (1992)	
	AR20	Tsukita, S., *et al.*, "Occludin and claudins in tight-junction strands: leading or supporting players?," *Trends Cell Biol.* 9:268-273, Elsevier Science (1999)	
	AS20	Tsukita, S., *et al.*, "Structural and signaling molecules come together at tight junctions," *Curr. Opin. Cell Biol.* 11:628-633, Elsevier Science Ltd. (1999)	
	AT20	Vleminckx, K. and Kemler, R., "Cadherins and tissue formation: integrating adhesion and signaling," *BioEssays* 21:211-220, John Wiley & Sons, Inc. (1999)	
	AR21	Warner, M.S., *et al.*, "A Cell Surface with Herpesvirus Entry Activity (HveB) Confers Susceptibility to Infection by Mutants of Herpes Simplex Virus Type 1, Herpes Simplex Virus Type 2, and Pseudorabies Virus," *Virol.* 246:179-189, Academic Press (1998)	
	AS21	Watabe-Uchida, M., *et al.*, "α-Catenin-Vinculin Interaction Functions to Organize the Apical Junctional Complex in Epithelial Cells," *J. Cell Biol.* 142:847-857, The Rockefeller University Press (1998)	
	AT21	Weiss, E.E., *et al.*, "Vinculin Is Part of the Cadherin-Catenin Junctional Complex: Complex Formation between α-Catenin and Vinculin," *J. Cell Biol.* 141:755-764, The Rockefeller University Press (1998)	

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Art Unit	1646
Examiner Name	*To Be Assigned*
Attorney Docket Number	2144.0100000/RWE/ALS

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T[2]
NSR	AR22	Willott, E., *et al.*, "The tight junction protein ZO-1 is homologous to the *Drosophila* discs-large tumor suppressor protein of septate junctions," *Proc. Natl. Acad. Sci. USA 90*:7834-7838, The National Academy of Sciences (1993)	
NSR	AS22	Wittchen, E.S., *et al.*, "Exogenous Expression of the Amino-terminal Half of the Tight Junction Protein ZO-3 Perturbs Junctional Complex Assembly," *J. Cell Biol. 151*:825-836, The Rockefeller University Press (2000)	
NSR	AT22	Yagi, T. and Takeichi, M., "Cadherin superfamily genes: functions, genomic organization, and neurologic diversity," *Genes Dev. 14*:1169-1180, Cold Spring Harbor Laboratory Press (2000)	
NSR	AR23	Yokoyama, S., *et al.*, "α-Catenin-independent Recruitment of ZO-1 to Nectin-based Cell-Cell Adhesion Sites through Afadin," *Mol. Biol Cell 12*:1595-1609, The American Society for Cell Biology (June 2001)	

initialed 4/11/07

441098_1.DOC

Examiner Signature			Date Considered	8/16/06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Applicant's unique citation designation number (optional). [2] Applicant is to place a check mark here if English language Translation is attached.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.	APPLICATION NO.
2144.0100000/RWE/ALS	10/644,084
APPLICANT: Takai *et al.*	
FILING DATE: August 20, 2003	GROUP: *To Be Assigned*

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	1	Asada, M., *et al.*, "Cloning and characterization of a novel afadin-binding protein localized at adherens junctions," *Jpn. J. Cancer Res.* 93:107, abs. no. 1096, Japanese Cancer Association (October 2002)
	AS	1	Unverified English Translation of Asada, M., *et al.*, "Cloning and characterization of a novel afadin-binding protein localized at adherens junctions," *Jpn. J. Cancer Res.* 93:107, abs. no. 1096, Japanese Cancer Association (October 2002)
	AT	1	de Bruijn, D.R.H., *et al.*, "The Cancer-Related Protein SSX2 Interacts With the Human Homologue of a Ras-like GTPase Interactor, RAB3IP, and a Novel Nuclear Protein, SSX2IP," *Genes, Chromosomes & Cancer* 34:285-298, Wiley-Liss, Inc. (July 2002)

EXAMINER: [signature] DATE CONSIDERED: 8/1/05

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